

REMARKS

Claims 4-14 are pending in this application.

By this Amendment, claims 1-3 are canceled, claims 4-14 are amended to cure informalities, and claims 4 and 11 are further amended to further define the heat radiator feature. No new matter is added by this Amendment. Support for the language added to claims 4 and 11 is found at, for example, Figure 5.

I. Allowable Subject Matter

Applicant thanks the Examiner for the indication that claims 7, 9, 10 and 14 contain allowable subject matter.

II. Claim Objection

Claim 4 was objected to because the recited light-irradiation side lacks antecedent basis. Applicant herein amends claim 4 to cure this informality.

III. Rejections Under 35 U.S.C. §102(b)

A. 1982 Toyota Corolla or a 1996 Volkswagen Jetta

Claims 1-3 were rejected under 35 U.S.C. §102(b) as being anticipated by either a 1982 Toyota Corolla or a 1996 Volkswagen Jetta. This rejection is respectfully traversed.

Claims 1-3 are herein canceled. Thus, this rejection is now moot.

B. Haba

Claims 1-3, 11 and 13 were rejected under 35 U.S.C. §102(b) over U.S. Patent No. 6,568,813 (Haba). This rejection is respectfully traversed.

As discussed above, claims 1-3 are herein canceled. Thus, with respect to claims 1-3, this rejection is moot.

With respect to claim 11, claim 11 recites a cooling device that blows a cooling air to a heated object to be cooled, the cooling device including a fan body that has a vein supported by a rotary shaft of a rotary drive source and a chassis that houses the fan body, the chassis

being made of a heat-conductive material and having a heat radiator that radiates a heat generated on the object to be cooled to an outside by heat conduction, the heat radiator having a trapezoidal cross section along an air-blowing direction of the cooling device, the heat radiator abutting the chassis with a longer side of parallel sides of the trapezoidal cross section.

The unique configuration of the heat radiator of the presently claimed invention is not disclosed in Haba. Because the presently claimed heat radiator has a "bottom-wide" shape, the cooling air can be blown to a wider area as compared to an ordinary parallelepiped configuration to improve cooling efficiency, and sufficient space for the blown cooling air can be secured around the object to be cooled. Haba fails to disclose this structure and the benefits associated therewith.

For the foregoing reason, Applicant submits that Haba fails to anticipate the subject matter of claim 11, or claim 13 dependent therefrom. Reconsideration and withdrawal of the rejection is thus respectfully requested.

IV. Rejections Under 35 U.S.C. §103(a)

A. Haba

Claim 12 is rejected under 35 U.S.C. §103(a) over Haba. This rejection is respectfully traversed.

Claim 12 depends from claim 11 and is therefore allowable for the same reason as claim 11 discussed above. Reconsideration of the rejection is thus respectfully requested.

B. Takizawa in view of Nishihara

Claims 1-6, 8 and 11-13 were rejected under 35 U.S.C. §103(a) over U.S. Patent No. 6,139,155 (Takizawa) in view of U.S. Patent No. 6,834,964 (Nishihara). This rejection is respectfully traversed.

Claims 1-3 are herein canceled. Thus, with respect to claims 1-3, this rejection is moot.

Claims 4 and 11 each recite a heat radiator having a trapezoidal cross section along an air-blowing direction of the cooling device, the heat radiator abutting the chassis with a longer side of parallel sides of the trapezoidal cross section. As discussed above, this unique configuration allows for the heat radiator to have a "bottom-wide" shape. Accordingly, the cooling air can be blown to a wider area as compared to an ordinary parallelepiped configuration, which improves cooling efficiency. This novel configuration also allows for sufficient space so that the blown cooling air can be secured around the object to be cooled. Nowhere does Takizawa and/or Nishihara teach or suggest this feature, or the benefits associated therewith.

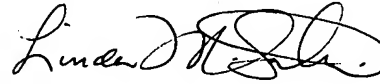
For the foregoing reasons, Applicant submits that claims 4 and 11, as well as claims 5, 6, 8, 12 and 13 dependent therefrom, are not rendered obvious by Takizawa and/or Nishihara. Reconsideration and withdrawal of the rejection are thus respectfully requested.

V. Conclusion

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of the pending claims are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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